MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER, 1927

J. A. BROWN, DIRECTOR

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DECEMBER 1927
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude				Thermometer Cent.			Bright Sunshine	Rain
	8:30	2:30	8:30	Mean	Max.	Min.	Min on grass	hrs.	m.m.
1	766.7	766.4	767.7	766.9	14.8	11.1		7.6	
2	9.8	9.1	9.0	9.3	14.9	10.0		9.2	
3	7.0	4.4	5.5	5.6	15.6	11.7		4.1	
4	4.2	2.2	3.2	3.2	17.7	12.8		9.1	
5	4.5	3.7	4.7	4.3	17.7	12.8		7.2	
6	766.3	763.6	763.6	764.5	18.3	12.7		8.8	
7	4.2	2.1	1.8	2.7	15.1	9.1		6.5	
8	1.6	1.9	2.2	1.9	15.6	12.1		8.6	
9	2.9	1.7	.6	2.1	16.3	13.7		5.2	
10	758.6	1.1	1.8	0.2	19.4	14.2		7.3	
11	758.8	758.5	759.6	759.0	20.3	13.7		5.1	2.79
12	760.7	9.8	61.1	0.5	18.9	11.9		5.1	2.41
13	3.4	763.2	5.5	4.0	16.7	12.2		8.8	0.63
14	4.8	3.3	2.9	3.7	16.7	12.1		9.0	
15	1.3	0.4	2.5	1.4	17.7	14.2		1.2	
16	764.5	764.0	764.7	764.4	16.7	12.2		8.5	
17	4.0	0.8	0.9	1.9	19.3	14.1		0.2	
18	3.7	1.3	2.0	2.3	19.7	14.2		0.0	2.46
19	0.7	758.2	757.7	758.9	20.8	14.4		6.8	
20	758.6	760.7	762.9	760.9	19.7	14.4		0.0	12 44
21	764.1	761.8	761.8	762.6	17.6	11.1		0.8	1.27
22	0.7	0.3	1.5	0 8	17.4	12.8		0.2	22.34
23	2.6	2.2	3 8	2 9	17.8	12.2		4.0	2.79
24	2.3	3.7	4.1	3.4	17.8	12.4		2.4	
25	4.2	3.0	3.4	3.5	16.9	12.9		5.0	9.53
26	764.6	764.1	765.1	764.5	17.8	14.0		2.5	
27	3.8	5.1	6.2	5.0	18.9	13.7		8.1	
28	6.2	4.2	5.0	5.1	18.6	14.1		8.8	
29	4.4	3.0	2.4	3.3	18.9	15.1		7.1	
30	1.9	0.2	759.7	0.6	20.1	16.2		7.1	
31	2.6	2.2	763.9	2.9	21.7	17.8		6.6	0.64
	763.34	762.46	763.16	762.97	17.92	13.10		5.51	1.84

BAROMETER

Maximum 769.8 on 2nd

Minimum 757.7 on 19th

THERMOMETER

Maximum 21.0 on 30th

Minimum 9.1 on 7th

RAINFALL

Maximum 22.34 on 22nd

Number of days with rain 10 thunderstorms 1 fog 5, gales 0

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METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapor m.m.				Relative Moisture per cent.			
	8:30	2:30	8:30	Mean	8:30	2:30	8:30	8:30	2:30	8:30	Mean	8:30	2:30	8:30	Mean
1	13.8	14.3	11.0	13.0	9.4	9.2	7.7	6.7	6.4	6.2	6.4	57	52	64	58
2	11.2	15.4	13.7	13.4	7.8	9.2	10.3	6.2	6.0	7.6	6.6	64	46	65	58
3	14.8	17.6	13.9	15.4	10.2	12.1	10.7	7.0	7.8	7.9	7.6	57	52	66	58
4	15.6	17.0	16.3	16.3	12.1	11.5	11.1	8.0	7.5	7.3	7.6	57	52	52	54
5	16.3	16.7	15.4	16.1	11.5	11.5	9.3	7.7	7.6	6.0	7.1	56	54	46	52
6	13.8	13.8	10.6	12.7	7.7	7.5	5.9	5.4	5.3	5.2	5.3	45	43	56	48
7	12.7	14.7	14.9	14.1	7.3	8.9	8.4	5.3	6.0	5.5	5.6	49	47	44	47
8	15.7	16.9	14.4	15.7	10.6	11.6	11.0	7.0	7.5	8.1	7.5	52	52	65	56
9	16.2	18.2	15.5	16.6	11.2	13.5	11.7	7.4	8.9	8.2	8.2	54	57	62	58
10	17.8	19.2	18.7	18.6	14.4	14.1	17.2	10.1	9.2	13.4	10.9	67	56	84	69
11	16.1	15.6	15.0	15.2	14.0	12.6	12.1	10.5	9.2	8.8	9.5	77	70	70	72
12	15.6	16.3	13.0	15.0	14.6	12.7	12.1	11.6	9.0	9.6	10.1	89	65	89	81
13	15.2	16.9	13.9	15.3	12.3	14.7	10.7	9.0	11.3	7.8	9.0	70	79	66	72
14	15.8	17.2	15.2	16.1	11.0	12.7	10.7	7.4	8.5	7.3	7.7	57	58	57	57
15	16.4	18.8	15.9	17.0	12.3	14.9	11.7	8.4	10.3	8.1	8.9	61	65	59	62
16	17.7	19.0	15.6	17.4	11.1	15.6	13.3	6.8	11.8	10.0	9.2	45	71	76	64
17	16.8	18.3	19.6	18.2	11.7	12.3	12.4	7.6	7.6	7.5	7.6	53	48	43	48
18	15.0	17.7	16.5	16.4	13.7	15.9	10.7	11.7	12.2	10.3	11.4	93	81	74	83
19	16.7	19.6	17.2	17.8	13.6	16.0	14.4	9.9	11.3	10.5	10.6	70	66	72	69
20	15.6	14.8	11.3	13.9	11.7	10.3	9.4	8.2	7.2	7.8	7.7	62	58	78	66
21	13.2	17.2	16.7	17.3	11.6	12.7	12.4	9.3	8.5	8.4	8.7	82	59	60	67
22	17.3	15.8	15.6	16.2	13.9	15.1	13.3	9.9	12.4	10.0	10.7	68	93	76	79
23	14.3	15.5	12.7	14.2	11.1	10.9	9.9	8.2	7.4	7.6	7.7	68	56	69	64
24	14.4	14.3	14.7	14.5	11.1	11.0	12.3	8.4	8.0	9.2	8.5	66	66	74	69
25	15.0	17.2	16.2	16.1	11.1	15.4	13.4	7.7	11.9	10.2	9.9	60	81	75	72
26	17.1	18.4	16.2	17.2	16.4	15.5	13.9	13.3	11.2	10.4	11.6	91	72	77	80
27	17.7	17.7	16.2	17.2	13.9	15.0	14.4	9.9	11.0	11.8	10.9	68	72	86	75
28	17.3	18.1	16.6	17.3	12.8	14.6	14.3	9.2	10.2	9.0	9.5	63	66	67	65
29	17.8	19.7	18.7	18.7	13.9	16.6	15.1	9.6	12.0	10.5	10.7	63	70	67	67
30	18.4	21.0	18.9	19.4	12.9	16.8	14.8	8.3	11.6	10.1	10.0	52	63	63	59
31	18.3	19.1	17.1	18.2	15.6	15.4	12.9	11.4	10.7	8.8	10.3	73	65	61	66
	15.80	17.35	15.39	16.14	11.7	13.13	11.84	8.61	9.18	8.68	8.81	64.16	62.42	65.55	64.35

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1·70 m

Height of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m

Gravity Correction — 0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

DECEMBER 1927

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	Mean	8:30	2:30	8:30	Km.		
1	8str.ni	1	0	3.0	6ne	4n	1n	479.1	rough	
2	1	1	2str.	1.3	0	0	0	87.1	calm	
3	10ni	0	0	3.3	1s	1w	0	74.2	calm	haze all day
4	0	0	0	0.0	1ne	3n	4n	265.2	slight	
5	3ci cu	1	0	1.3	0	2n	4n	405.7	strong	
6	0	6ci str.	0	2.0	5n	1nw	0	723.6	mod.	
7	3str	10ni	10ni	7.7	0	0	1e	46.6	,,	
8	1str	1	4str.	1.7	0	0	0	21.1	,,	
9	8str	0	0	2.7	0	0	0	139.7	,,	
10	6str.ni	0	10ni	5.3	0	0	1s	17.1	,,	
11	5str	3str.cu	3str.cu	3.7	1w	1n	1n	160.3	,,	
12	6str. ni	8ni	3str.cu	5.7	0	1s	0	314.4	,,	
13	1	1	0	0.7	0	1n	0	71.2	calm	
14	1	0	0	0.3	0	1n	0	83.1	,,	haze in mor.
15	8str.ni	8str.ni	0	5.3	0	0	1e	36.9	,,	
16	1	1	1	1.0	0	1n	1ne	98.4	mod.	
17	8ci cu	10ni	8ni	8.7	0	1s	1s	99.2	,,	
18	10ni	9ni	0	6.3	0	0	0	149.3	,,	
19	2ci str	5str.cu	1	2.7	1s	3w	4w	152.9	slight	
20	10ni	8ni cu	2str.	6.7	8	6w	1s	682.2	v. rough	t.l.re.d &ni.
21	10ni	8str.ni	8ni	8.7	1s	1	2w	206.6	mod.	
22	10ni	9ni	6str.ni	8.3	6s	2s	4	468.3	rough	
23	8ni	6str.cu	2	5.3	3w	3	0	199.4	v. rough	
24	10str.ni	10ni	8ni	9.3	1s	1s	0	307.6	mod.	
25	10ni	8str.ni	1	6.3	2s	2w	1w	114.3	a. rough	
26	5ci cu	3ci cu	6str.cu	4.7	0	1w	0	286.7	light	
27	0	1str	0	0.3	0	1nw	1n	272.0	mod.	haze in mor.
28	0	1	0	0.3	0	1n	1n	94.8	calm	haze in mor.
29	2str.	8ci str	0	3.3	1	1e	1ne	53.9	,,	
30	8ci str.	2	8str.cu	6.0	1s	0	2se	56.5	light	mist all day
31	6str.cu	3str.cu	6str.	5.0	2	2w	2w	98.2	slight	
				4.06				202.1		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	2	0	0	7	3	2	0	16	31
2:30	8	0	1	0	4	2	6	2	8	31
8.30	6	2	2	2	2	1	4	0	12	31
Totals	15	4	3	2	13	6	12	2	36	93

N. B. — Cloud numbers without letters are all cu.
Wind ,, ,, ,, ,, ,, sw.